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USER MANUAL OVERHEAD SECTIONAL DOOR

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INTRODUCTION

This users manual is meant for those who operates one of the following models of doors:

TLP
TL-FV
TL
R30
R40

(or a combination of these door type).

This manual is part of the „Technical File“ as described in the „Machine directive“.

This manual covers safety, operation, maintenance and removal of garage doors.

In this manual you will find indicators which will be depicted as follows:



Suggestion: to facilitate the execution of certain.



Danger: you can injure yourself or others or damage the product.



Attention: points out possible problems.

LIST OF DEFINITIONS

Responsible person:

A responsible person is somebody 16 years or older, who carefully has read this manual and has the capabilities to operate a garage door.

Technical competent person:

A technical competent person is some one with technical knowledge to work on a door. This person is aware of the potential hazards, which can present themselves.

Door leaf:

A door leaf is made up of sections, which are connected horizontally to open or close an opening. By the TLP, TL, R30, R-40 these parts consist of two (2) steel plates with insulating foam in between. By the TL-FV these parts consist of aluminium frame with glazing.

Overhead sectional door:

An overhead sectional door consists of a door leaf and hardware. The door closes an opening in a building. The door can be opened vertically to allow access.

TLP, TL, R30, R40 (insulated steel doors):

The door leaf is a „sandwich“ construction. This means that 2 steel skins are filled with polyurethane foam. The panels come in stucco, woodgrain or smooth skin. The TL, R30 and R40 panels in addition can be „Ribbed“ or „Raised“.

1. GENERAL

1.1 Purpose

An overhead sectional door is used to close an opening in a building and to allow people and cars entrance. It is not allowed to use this door for purposes. Read the instructions before performing any work on the door. The manufacturer is not responsible for damage due to incorrect use of the door.

1.2 Unadvised use

The manufacturer strongly advises against the following use of the garage door:

- Lifting of objects, animals or persons with door mechanism;
- Holding of objects, animals or persons with door mechanism;
- Altering of door or parts.

1.3 Use of the door

This door may be used in the temperature range from -30 C to +60 C. Relative humidity from 20% to 90%. Differences in the inside and outside temperatures may cause deflection of the door elements (bi-metal effect). This may result in damage when the door is operated. Avoid painting double-skinned doors in dark coatings if they are wider than 4 m and are exposed to the sunlight. The door can be safely operated up to a wind speed of 30 meters per second. The water tightness of the door is IP65.



Suggestion: Grease seals in freezing conditions to prevent tearing. Grease rollers, hinges and springs regularly to avoid noise.



Risk: Corrosive and aggressive environments can have a negative effect on overall safety of the door.

1.4 Operation

There are two modes of operation:

- Manual operated.
- Power operated.

Manual operated

A manually operated door can be moved with a handle, pull-cord or manual chain hoist.

Power operated

Motor opens and close the door.

1.5 Remote control

The operator is engaged through a remote control. The same button that opens the door also closes the door. Press the button once and the door opens and stops in the programmed open position. When during the upward movement the button is pushed again, the door stops immediately. Push the button again and the door will close. The motor has an auto-reverse function. This means that

when it encounters an obstacle during its downward movement, it will stop and automatically reverse. The motor can be disengaged and the door can then be operated manually in case of a power failure.



Danger: Cover of operator should only be removed by an authorized technician.

2. SAFETY

2.1 Safety risks:

- While door is moving there is a danger of getting pinched or caught.
- Turn off the electricity to operator when it needs to be serviced. Unit should only be serviced by a authorized technician.
- Door should only be operated by responsible person.
- Door should only be operated when there is no one closer than 1 meter from the door.
- If door does not work properly please contact your dealer immediately.
- If operation of door is hampered by defect parts, illegible pictograms or is in need of maintenance please contact your dealer.
- Be careful that during movement of the door your fingers do not get pinched between the rollers and the rail. By a manual door always use the supplied pull-cord, handle or chain hoist.
- Installation, maintenance, removal and inspection should only be done by authorized technicians.
- Corrosive and aggressive environments can have an impact on the safe operation of the door.
- Only drive car into the garage when door is completely opened.

2.2 Safety precautions

The TLP, TL, TL-FV door is supplied with a mandatory spring break device. In event of a spring failure this device will prevent the door from coming down. In the R40 and R30 doors 4 springs are used, in case of braking of one spring maximum out of balance is less than 20 kg).

Every door has two steel cables with minimum safety factor 6. Which means that each steel cable can hold weight of 6 doors.

Per request of the customer additional safety devices can be mounted:

- Motor;
- Cable break device.

Motor

An electrically operated garage door has build in safeties, which will protect in the event of a spring or cable break.

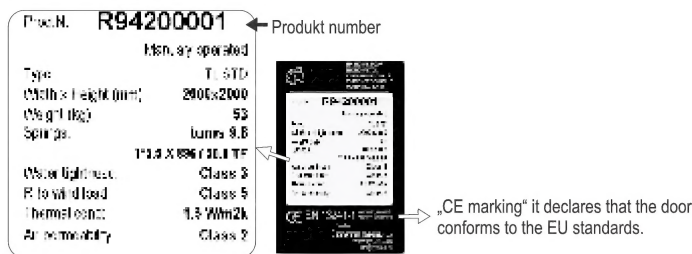
The motor prevents the door from making any uncontrollable movements.

2.3 Safety measures

- Note next items:
- Carefully read the users manual before you decide to work on this door.
- It is prohibited to remove parts protections, pictograms and brand signs or to adapt the door construction.
- Repair and maintenance should only be done by authorized technicians because the spring system is subject to large forces.
- The owner of the door is ultimately responsible for its use, even though the door may be used by a 3rd party.
- When door is functioning improperly it should be taken out of service until such time that an authorized technician has fixed the problem.
- The door should only be operated by a responsible person.

3. EXPLANATION OF SYMBOLS

On the door you will find the following symbols:



4. PRODUCT LIFE AND FAILURES

4.1.1 TL, R30, R40 models

The average intended lifetime of the door is 25.000 cycles (springs & cables - 15.000 cycles). 1 cycle is one opening and closing of the door. The product life under normal use will be 10-15 years.

4.1.2 TLP, TL-FV models

The average intended lifetime of the door is 100.000 cycles (springs & cables - 20.000 cycles). 1 cycle is one opening and closing of the door. The product life period is a subject of the use intensity.

4.2 Multifunctions:

Disorder

Doors opens or closes slightly after stopping.
Doors makes noise by opening and closing.
Doors doesn't react to remote control.
Door leaf twisted.

Possible reason

Spring tension incorrect.
Rollers are dry.
Defect in motor or empty battery.
Cable, drum or shaft failure.

Judgement

Contact dealer.
Grease rollers.
Check battery, contact dealer.
Contact dealer.

5. INSPECTION, MAINTENANCE AND REMOVAL

5.1 General

The garage door should be inspected on an annual basis by the dealer. During this inspection all moving parts will be inspected against wear. If present, the motor will also be inspected.



Attention: Door-owner should only grease the weather seals and rollers. And only when present, the power to the motor has been disconnected beforehand.

5.2 Spare parts

It is possible to buy spare parts from the dealer if required. It is important to use original manufacturer replacement parts.

5.3 Removal of garage door

When garage door needs to be replaced at the end of its useful life than dismantling of the old door should be done through an authorized technician.



Metal and plastic components should be disposed of separately through the proper channels.

The motor has oil. This falls under small chemical waste



Attention: Under all circumstances, please consult your dealer.

Customer:

(Name, address and reference person)

Description of the door:

(Model, type)

Identification number:

(Clear reference of the door)

Location:

(Address)

Leaves:

(Number, material, size, weight)

Type of operation:

(Hold-to-run, impulse, automatic)

Power supply:

(Voltage and input)

Date of installation:**Installer:**

(Name, address, telephone number)

LIST OF COMPONENTS INSTALLED

Drive unit:

(Type, serial number)

Motor:

(Type, serial number)

Electronic panel:

(Type, serial number)

Photocells:

(Type, serial number)

Safety devices:

(Type, serial number)

Flashing light:

(Type, serial number)

Radio control:

(Type, serial number)

Control devices:

(Type, serial number)

Warning of residual risks and of forele improper use.

Customer's signature:

Date:	Description of work
	(Installation, start-up, adjustments, check on safety devices, repairs, alterations)

Technician's signature

Customer's signature

Date:	Description of work
	(Installation, start-up, adjustments, check on safety devices, repairs, alterations)

Technician's signature

Customer's signature

Date:	Description of work
	(Installation, start-up, adjustments, check on safety devices, repairs, alterations)

Technician's signature

Customer's signature



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DOOR WARRANTY

Description / Type

Date of Purchase

Serial Unique No.

Dealer, Country

Signature, Stamp

Customer, Address

Phone, e-mail

Warranty Terms

The Manufacturer warrants:

- That this door is made for reliable operation;
- The panels for a period of TEN YEARS from the day of installation against rust-through, split and brake;
- The hardware for a period of TWO YEARS from the day of installation against faults in components, materials and workmanship.

The Manufacturer pledges to correct the faults, upon notification, at its option, by exchanging, repairing the item or reducing the price for it.

The warranty excludes damage caused through ordinary wear, faulty installation, maintenance and operation, mechanical or chemical impact.

Warranty is valid only in the country, where the garage door was purchased through the authorized Ryterna dealer or distributor.

Please make sure this document is filled correctly, unique number correspond the one on the door.

Should You need technical assistance or to fill the complaint, contact Your dealer.

